

Fig. 1

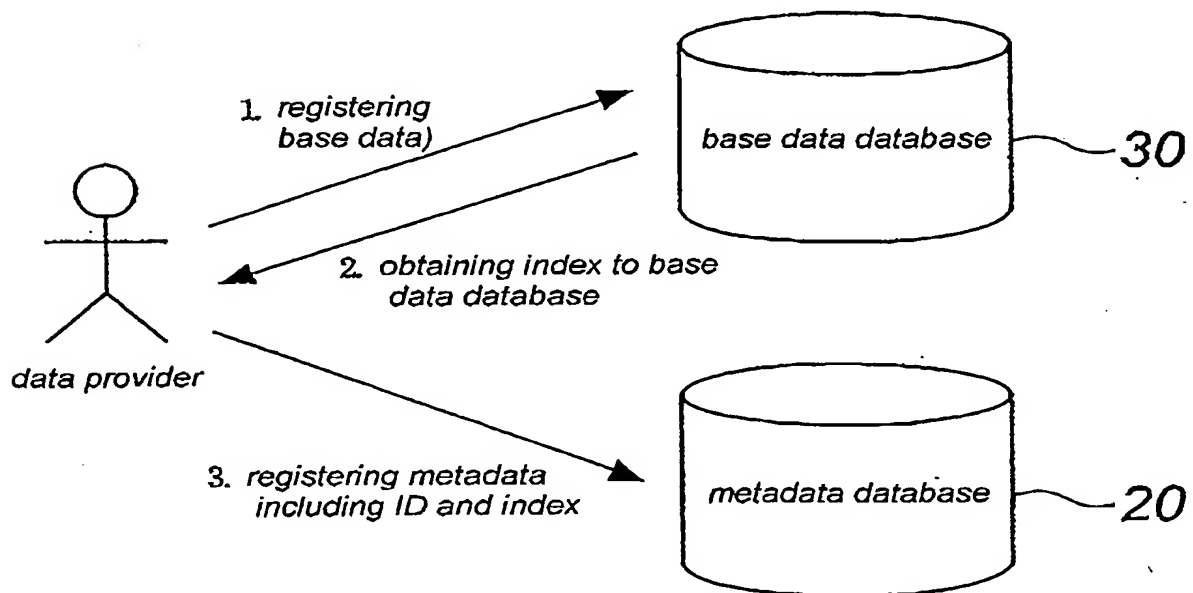


Fig. 2 registration of base data and metadata

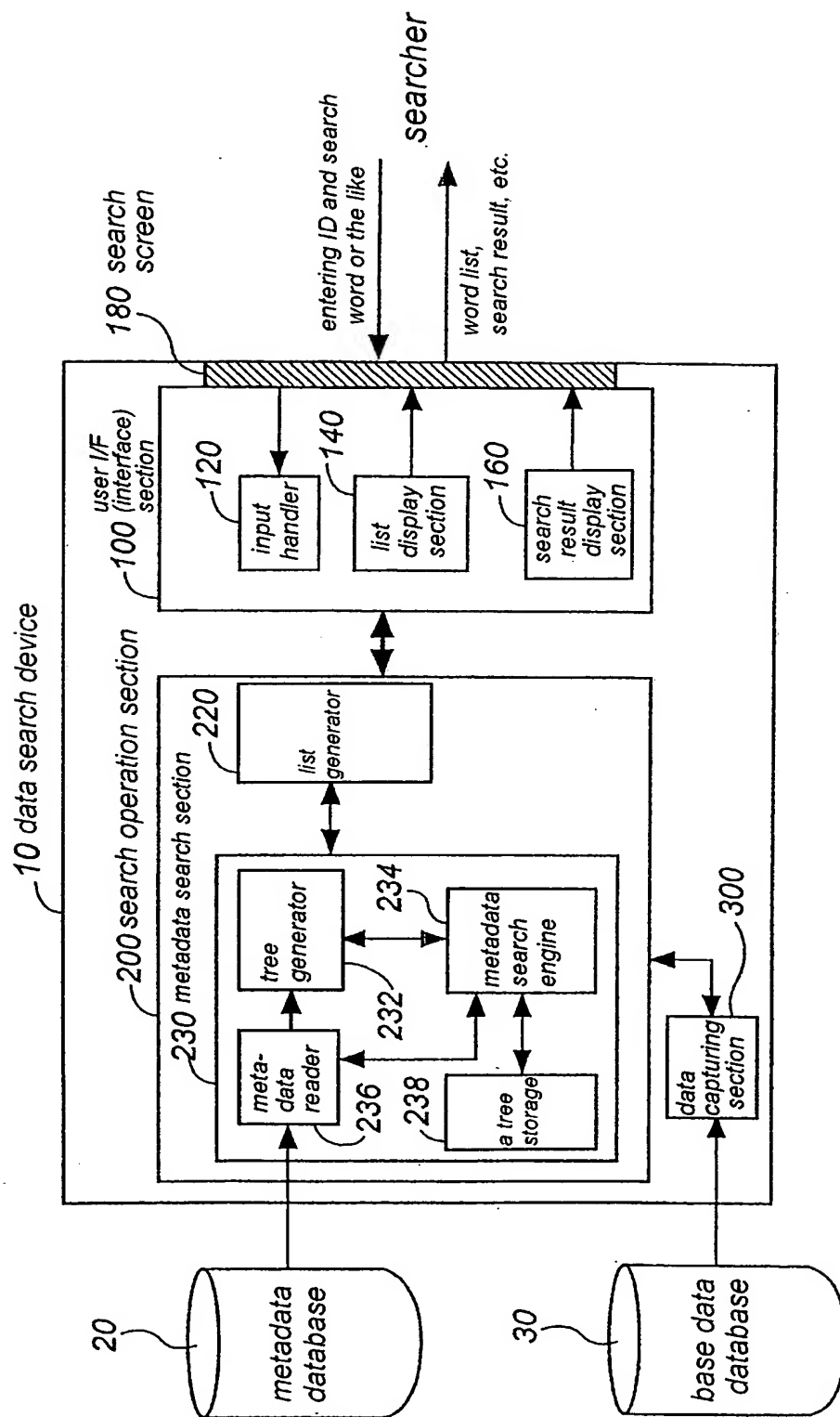


Fig.3

- ID (global unique identifier)
- index on database
- description sentence
- type

format of metadata

Fig.4A

metadata for a static data

- cameraA
- 1
- "camera A / P_P / brochure"
("brochure of camera A")
- PDF

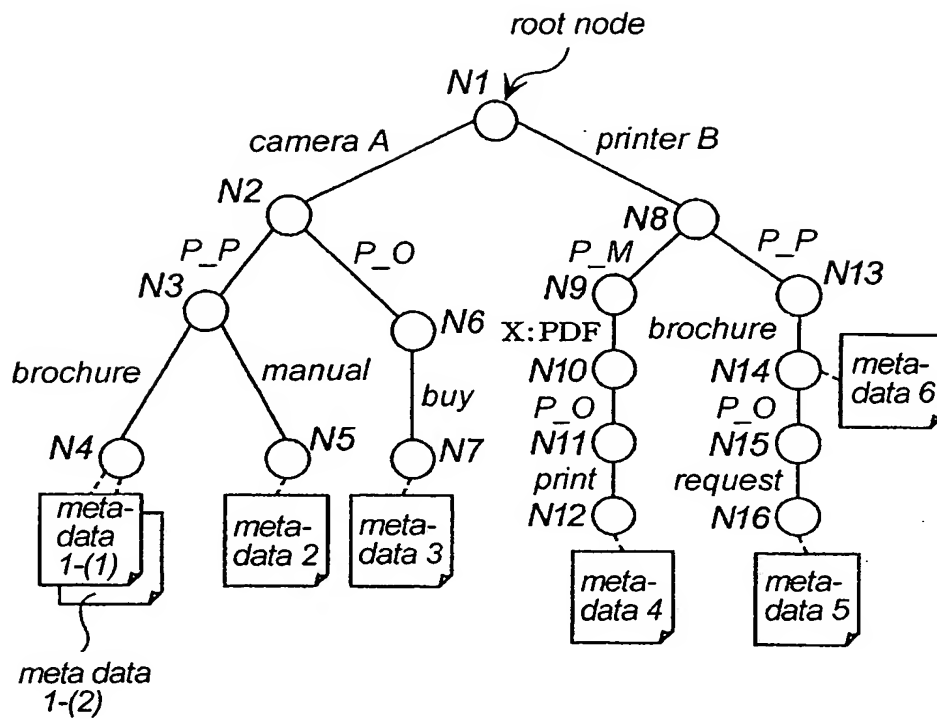
metadata for a program

- printerB
- 2
- "printer B / P_M / X:PDF / P_O / print"
("print X:PDF with printer B")
- PDF -> VOID

**When representing a type, X -> Y means that type X is the type of input and type Y is the type of output. Type VOID means that there is no input or output.*

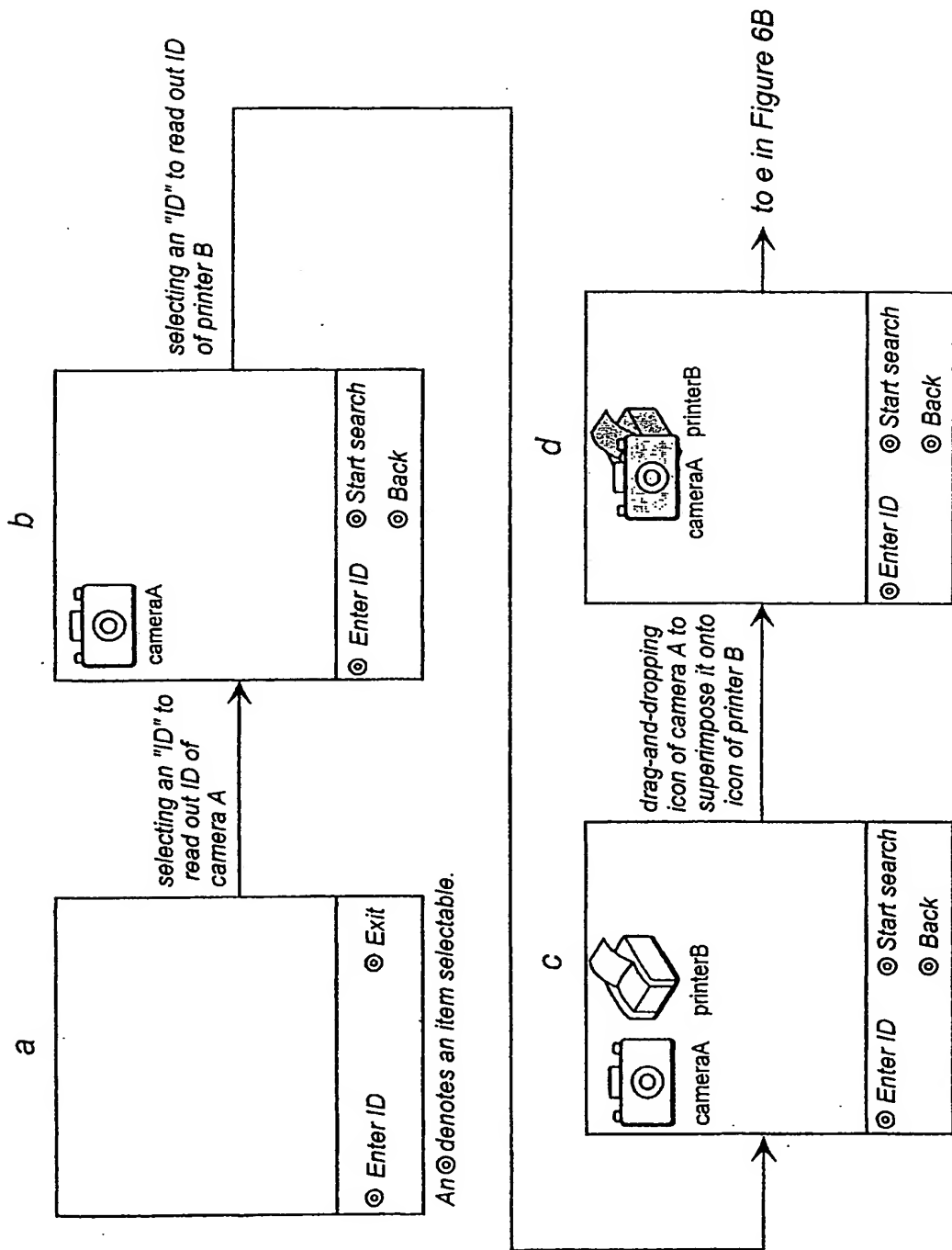
examples of metadata

Fig.4B



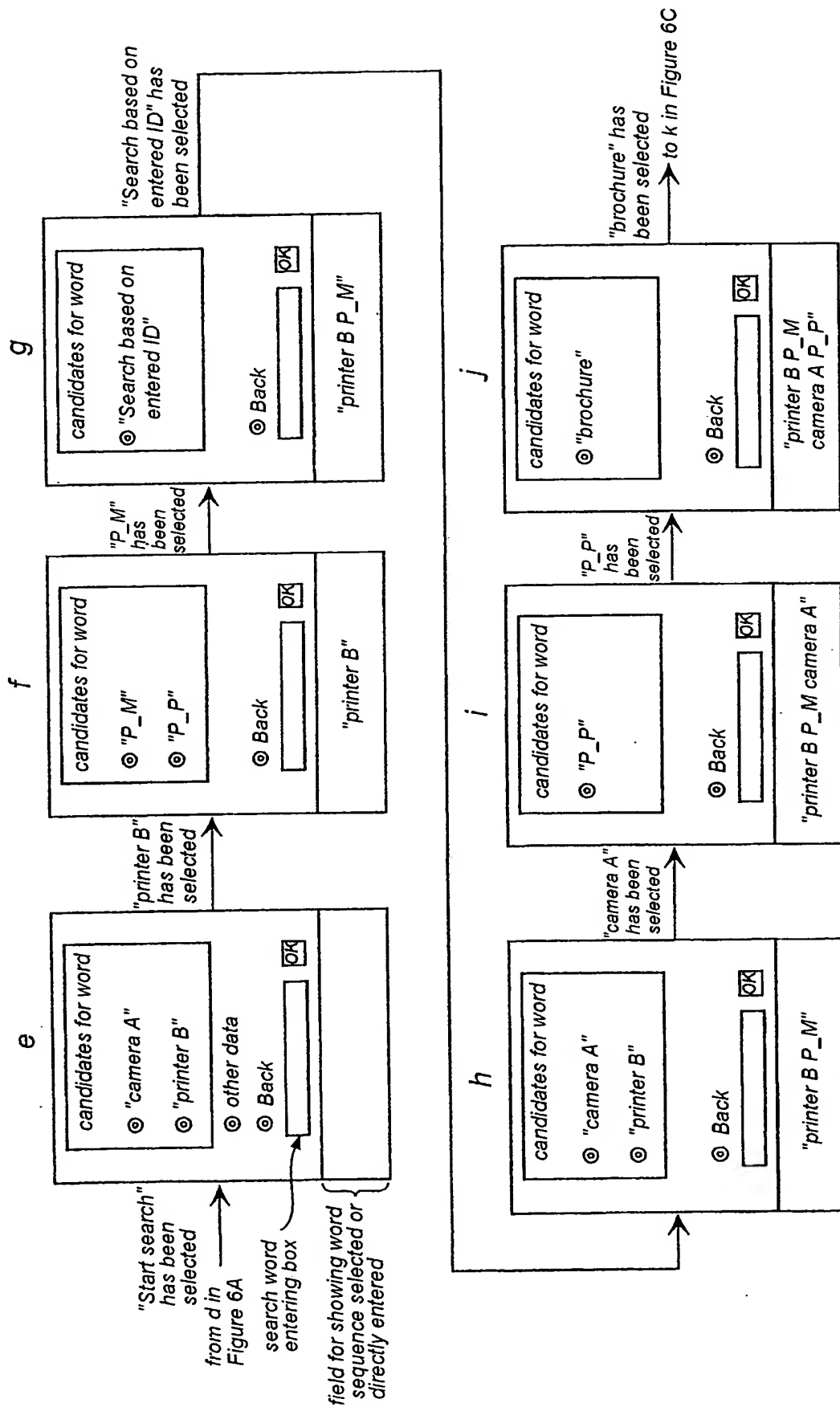
tree expression of metadata set

Fig.5



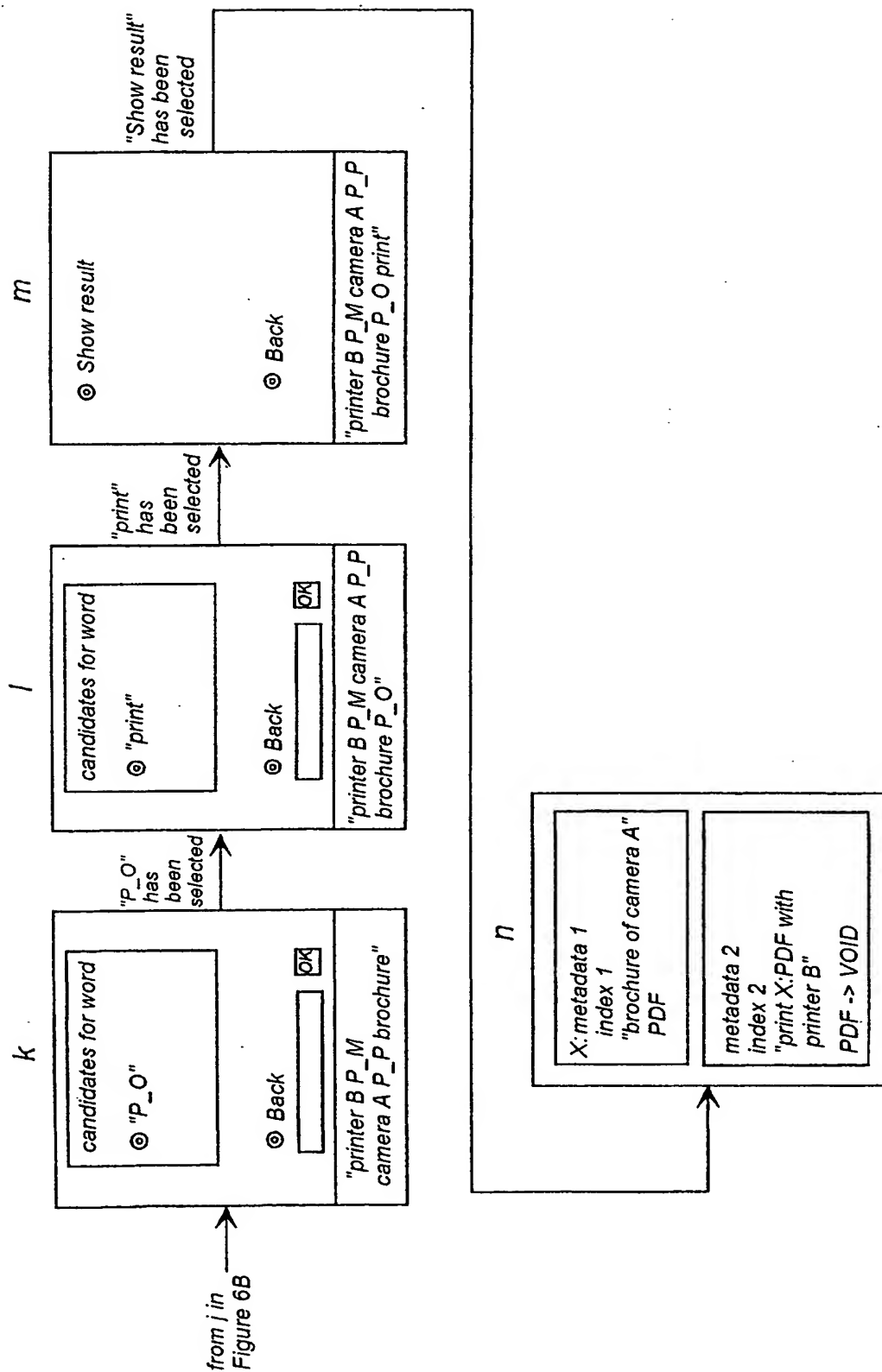
example of display of search screen (continued to Figure 6B)

Fig.6A



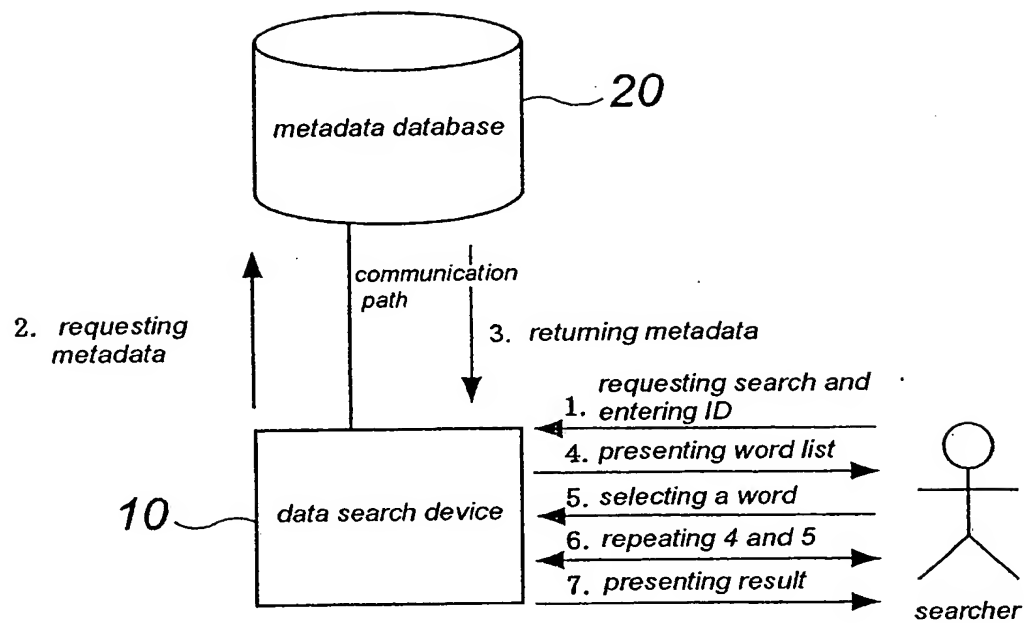
example of display of search screen (continued to Figure 6C)

Fig. 6B



example of display of search screen

Fig.6C



search flow

Fig.7

Fig. 8

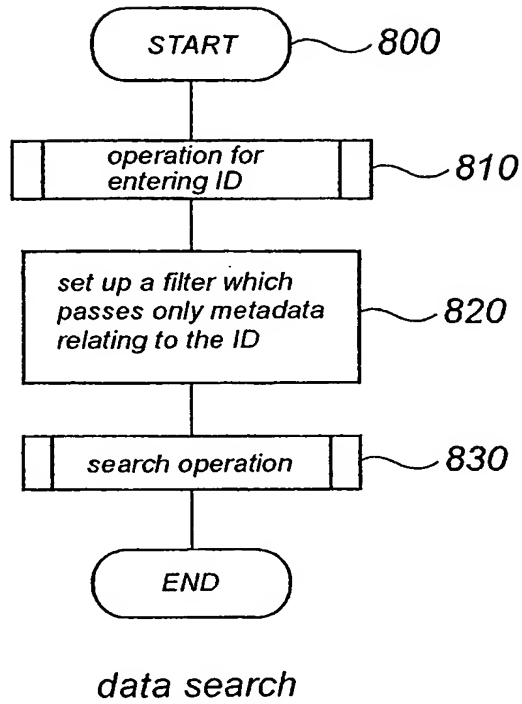
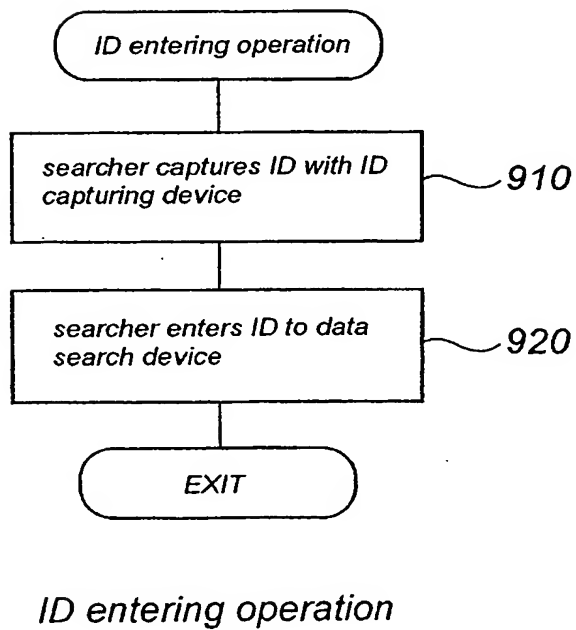
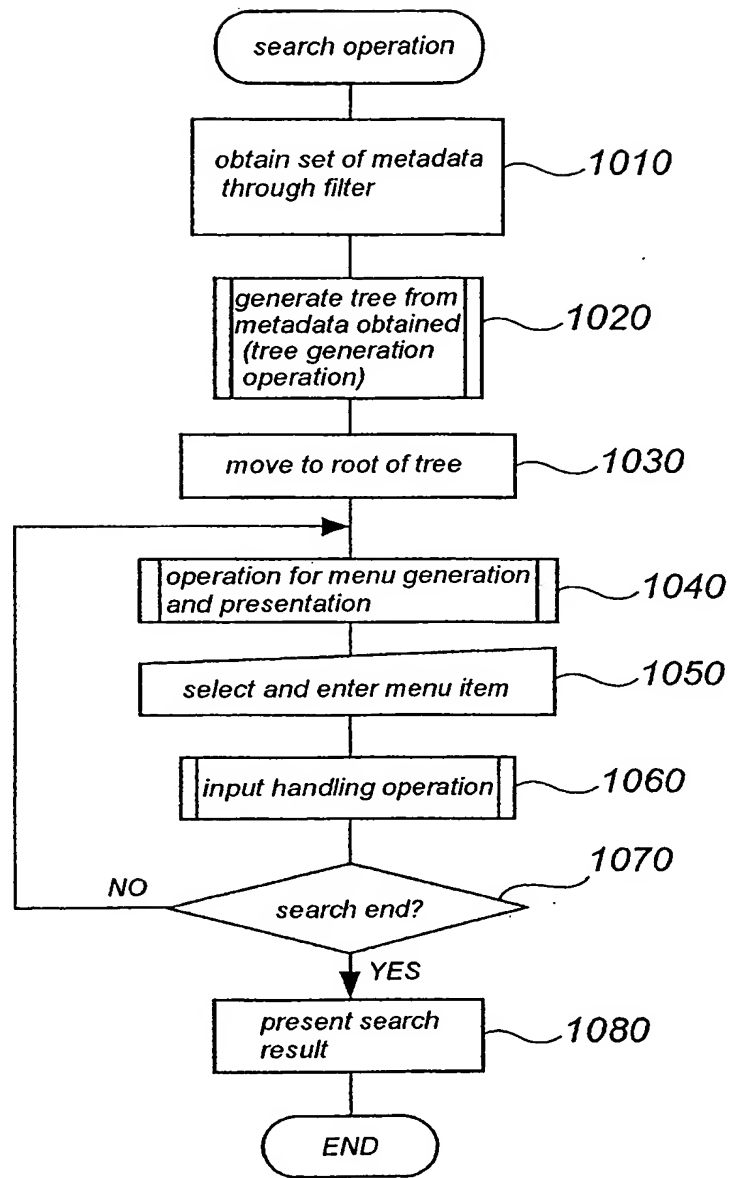


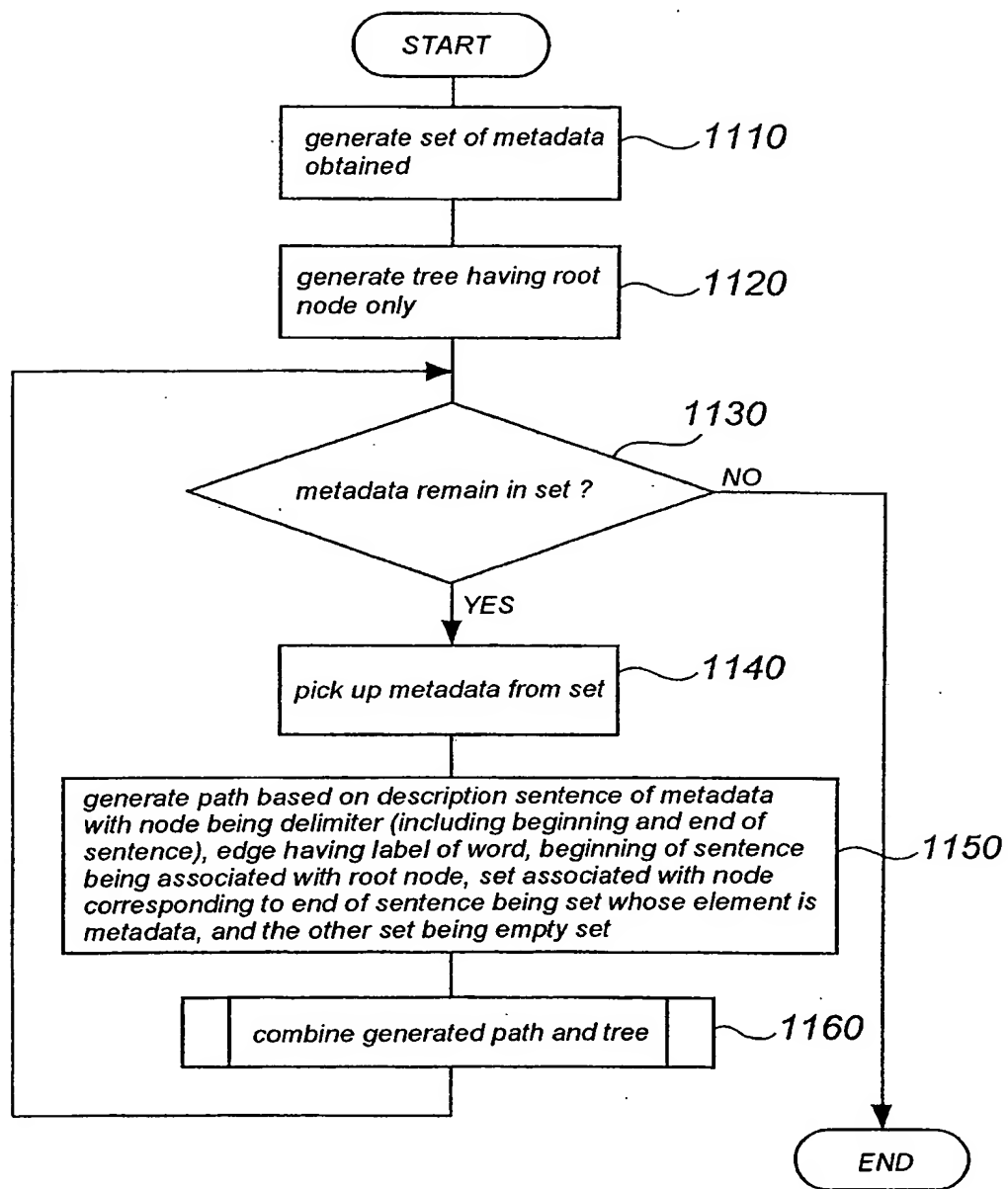
Fig. 9





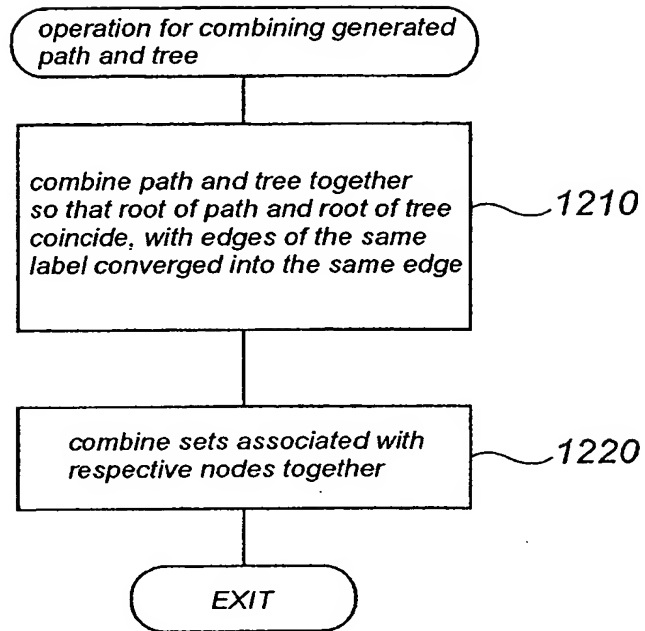
search operation

Fig.10



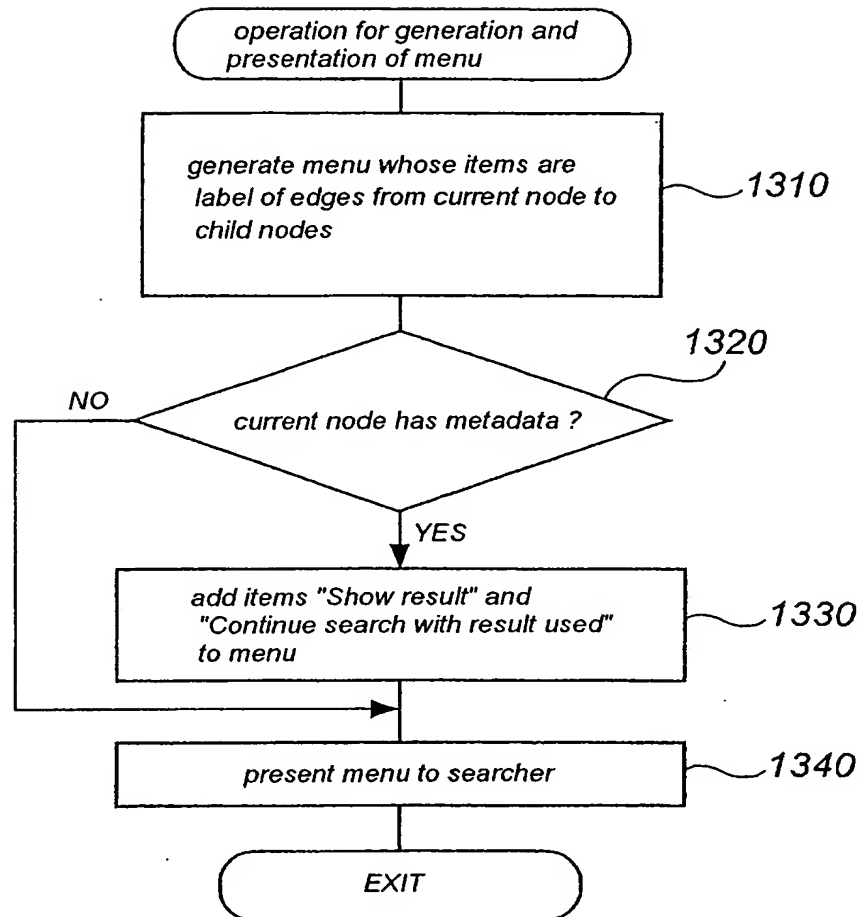
tree generation operation

Fig.11



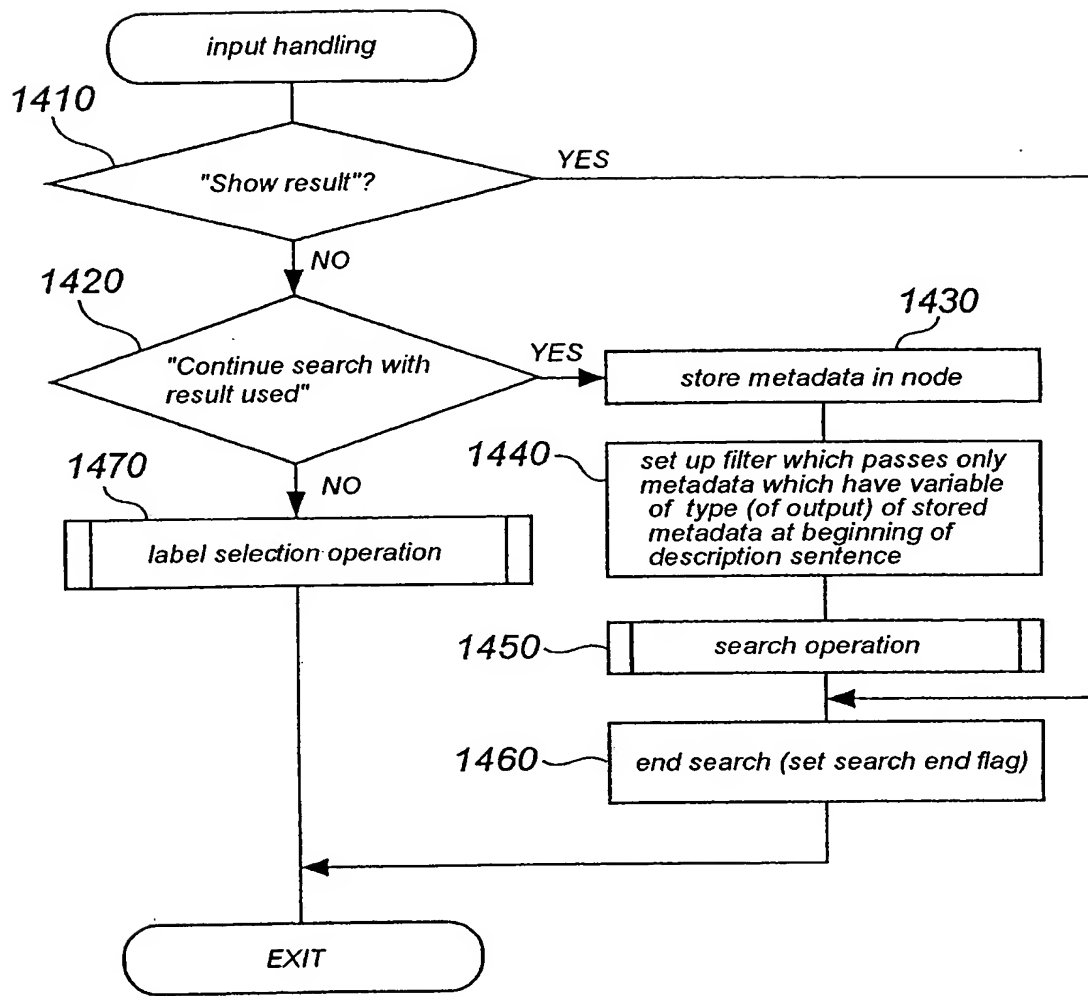
operation for combining generated path and tree

Fig.12



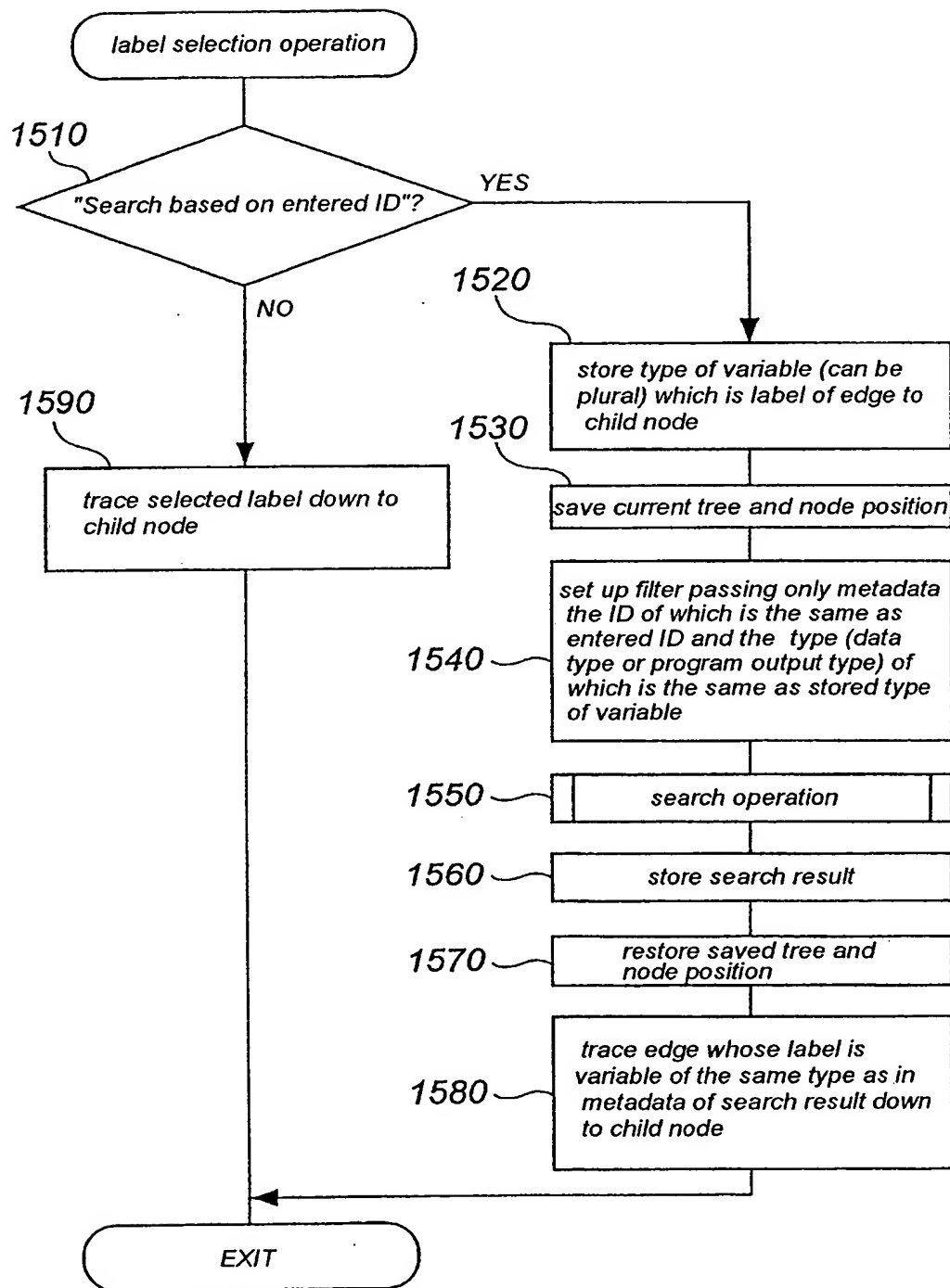
operation for generation and presentation of menu

Fig.13



input handling

Fig.14



label selection operation

Fig. 15